

SMIP13 SEMINAR ON UTILIZATION OF STRONG-MOTION DATA

October 10, 2013

Fifth Floor Conference Facilities
Federal Reserve Bank of Los Angeles
950 South Grand Avenue, Los Angeles, California

PRELIMINARY PROGRAM

8:15 am **REGISTRATION**

9:15 am **WELCOMING REMARKS**

Chris Poland, Strong Motion Instrumentation Advisory Committee (SMIAC)
John Parrish, State Geologist, California Geological Survey
Mark Nechodom, Director, Department of Conservation

INTRODUCTION

Anthony Shakal, Manager, California Strong Motion Instrumentation Program
Moh Huang, California Strong Motion Instrumentation Program

Session I

Moderator: *Marshall Lew*, AMEC and SMIAC

9:30 am **Lessons Learned on Ground Motions from Large Interface Subduction Zone Earthquakes from 2010 M 8.8 Maule, Chile and 2011 M9.0 Tohoku, Japan Events**

Jonathan Stewart, UCLA

10:00 am **Significant Building Response Records from the 2011 Tohoku Earthquake and the Implications for Seismic Designs and Analyses**

Kazuhiko Kasai, Tokyo Institute of Technology.

10:30 am Break

Session II

Moderator: *Farzad Naeim*, John A. Martin & Assoc. and SMIAC

11:00 am **Observations from the April 20, 2013 Lushan, Sichuan Province, China Earthquake**

Marshall Lew, AMEC

11:30 pm **ShakeAlert, an Early Warning System for California and the West Coast**

Doug Given, USGS, Pasadena

12:00 pm **Lunch**
Lunch will be provided

<i>Session III</i>

Moderator: *Martin Eskijian*, California State Lands Commission and SMIAC

1:00 pm **Use of Strong Motion Records to Validate Dynamic Soil-Foundation-Structure Interaction Models for Pile Supported Wharves**
Stephen Dickenson, New Albion Geotechnical

1:30 pm **Three Dimensional Global Nonlinear Time History Analysis of Instrumented Bridges to Validate Current Bridge Seismic Design**
Anoosh Shamsabadi and *Tom Ostrom*, Caltrans

2:00 pm Break

<i>Session IV</i>

Moderator: *Wilfred Iwan*, Caltech and SMIAC

2:30 pm **Instrumentation Requirements for Tall Buildings per the Los Angeles Tall Buildings Structural Design Council 2011 Alternative Analysis and Design Procedure**
Farzad Naeim, John A. Martin & Associates

3:00 pm **Recent Developments of the California Strong Motion Instrumentation Program**
Anthony Shakal, CSMIP

Update on Data and Features of the Center for Engineering Strong Motion Data
Hamid Haddadi, CGS/CSMIP and *Chris Stephens*, USGS/NSMP

3:30 pm **Adjourn**